

and *Pinus laevis* seems to me to go quite  
as well with the *Mauchastias* (formerly *Pinus*  
then *Helosciadium*, and now *Opium*) as  
with *Pinus latifolia*.

I am glad to see that you have cut up  
the *Alceuth. str.*, in *Dr. Prod.* immediately on  
receiving the book I wrote to Dr. in remembrance  
and got what I thought but a very lame defence  
for it.

Some time ago I communicated to the  
Secy of the Royal Society your observation on the refusal  
to receive parcels for their fellows and got a  
long answer on behalf of the Council explaining  
how the excessive abuse of the liberty they  
gave to foreign correspondents obliged them  
to decline to act any more as such agents but  
to put all distributions into the hands of Mr  
Stevens - they are very ready to pay all charges  
on books etc sent for the Society.

The clean sheets of *Zea gl.* are struck off  
will be sent you as before - there are now 8  
sheets in type but only one gone to press - you shall  
have it as soon as we get the clean proofs.

I quite agree with you that *Pernanthe*  
*Newfoundland* Callard is as bad a genus as  
his brick boy, he comes to conclusions in a  
desperate hurry with very little examination.

Ever yours sincerely  
George Dontham

I put into a box going from Leeds 2 copies<sup>105</sup>  
of *Zea gl.* parts 1 and 2 for you to dispose of  
if you have an opportunity.

25, WILTON PLACE,  
S.W.

Feb 21 1867

My dear Gray

Many thanks for yours of the  
21 and the notes etc. it contains. In  
reply to your Avaleicous question you  
will have seen by the *Avaleicou*,  
I think that I have followed *Pernanthe*  
in substituting *Heptapleurum* for  
*Paratropea* for *Goetner's* character  
is good and ought to have been  
recognized. - I think however  
that *Planckon* & *Decoime's* views  
of *Avaleicou* and *Panay* which you  
have followed much more correct  
than *Miquel's* - and as to the order  
now that I have gone through *Mubelli-*  
*ferre*, although the endocarp is often

detached from the exocarp yet ~~it~~ I have never found it thick and hardened so as to form piperis acid. Brachiacae Semmann's distinction putting *Aralia* into *Muhlebergia* and *Hydrocotyle* into *Sedum* seems to me even more ~~unstable~~ than it did at first sight.

As to *Muhlebergia* I have just gone through the whole except two or three small American genera of which our specimens are not very good and shall settle them to my best on the revision when I shall reexamine several genera now that I have got all roughly into their places. I find myself quite obliged to give up the *Orthospermum*, *Campylopermum*

and *Coelosperrum* seeds as primary divisions, the seed excavated in front may serve to separate, the *Chlorophyllum* set or the *Conium* and *Cochlos* set for instance as subtribes, and in other cases it may be a good generic character, but scarcely more and in *Peperomia* it is specific only. The vittae supposed to be on the seed in *Crithmum*, *Cochlos*, etc. and in the pericarp in others is all bosh - I have always found the vallicular and communal vittae within the pericarp - when the endocarp is especially thin and closely adnate to the seed <sup>and the exocarp thick</sup> the vittae remain attached to it and detached from the exocarp. When the exocarp is so thin that the vittae show through it they are only in appearance but not really superficial.

As to *Pium* and *Spium* they are closely allied - so are many other genera which yet must be artificially kept off and between those two the difference in the vittae is accompanied by a few others